INTELLIGENT COMPACTION COLD-IN-PLACE RECYCLING MAPPING REPORT SUMMARY

CEM-IC20 (03/30/2016)

PROJECT INFORMATION/NAME	CONTRACT NUMBER	CO/RTE/PM
	PROJECT IDENTIFIER NUMBER	
	CONTRACTOR NAME	

Instruction: This form to be used by the contractor to summarize and report mapping of existing pavement information. For questions about this form send an email to: IC@dot.ca.gov

Mapping report summary for cold-in-place recycling performed on:	Mapping Date

COLD-IN-PLACE RECYCLING (CIR) MAPPING INFORMATION

Mapping Location			
Beginning Station/Post Mile	Ending Station/Post Mile		

Intelligent Compaction Data Analysis Technician

Data Analysis Technician (print name)	Data Analysis Training Completion Date:	Training requirement effective January 1, 2017.
Email address	Phone Number	

Mapping Report Preparer

Mapping Report Completed by (print name)	Signature	Date
Email Address	Phone Number	

Mapping Report Submittals for Mapping With Intelligent Compaction Roller

Data and Software Analysis Results

Contractor Submittal *Check all that were submitted*	**Submittal Review** *This Column For Engineer's Use*
☐ Final coverage histogram of intelligent compaction measurement value	Submittal is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Final coverage histogram of intelligent compaction measurement value for 528 foot sublots	Submittal is adequate? ☐ Yes ☐ No ☐ See Comment

Color Layout Plots

Contractor Submittal *Check all that were submitted*	**Submittal Review** *This Column For Engineer's Use*
☐ Plot of intelligent compaction measurement value over existing pavement	Submittal is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Plot of intelligent compaction measurement value for soft areas with intelligent compaction measurement values equal or less than to 10 percent of the average intelligent compaction measurement value of the existing pavement	Submittal is adequate? ☐ Yes ☐ No ☐ See Comment

COMMENTS:

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Mapping Report Submittals for Mapping With Intelligent Compaction Roller

Locations with Low Intelligent Compaction Measurement Value

Note: To determine soft spots in the under laying material a filtered Veta analysis is required based on the average of the range of intelligent compaction measurement values.

Minimum ICMV	Maximum ICMV	Average ICMV	Filter Target ICMV

Locations Identified with Low Intelligent Compaction Measurement Value (ICMV)

	Location No.	ICMV	X Coordinate	Y Coordinate	
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	14				
	15				
	16				
	17				
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	19				
	20				
	21				
	22				
	23				
	24				
	25				

COMMENTS:

INTELLIGENT COMPACTION COLD-IN-PLACE RECYCLING MAPPING REPORT SUMMARY

CEM-IC20 (03/30/2016)

Mapping Report Submittals for Mapping With Coring and Dynamic Cone Penetration

Plots

Contractor Submittal *Check all that were submitted*	**Submittal Review** *This Column For Engineer's Use*
☐ Plot of pavement structural section profile based on cores	Submittal is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Plot of transverse pavement thickness and lift thickness cross sections based on cores	Submittal is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Plot of pavement unbonded layer dynamic cone penetration index profile	Submittal is adequate? ☐ Yes ☐ No ☐ See Comment
☐ Plot of core location coordinates and unbonded layer stiffness description category for each core taken along the roadway transverse axis	Submittal is adequate? ☐ Yes ☐ No ☐ See Comment

COMMENTS:

INTELLIGENT COMPACTION COLD-IN-PLACE RECYCLING MAPPING REPORT SUMMARY

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Mapping Report Submittals for Mapping With Coring and Dynamic Cone Penetration

Locations of Soft Spots in Under Laying Material

Note: Determine soft spots in the under laying material based on Dynamic Cone Penetration Index (DCPI) as shown in following table. Record locations below with either "B" or "C" unbonded layer zone.

	Unbonded Layer Stiffness			
	Average dynamic cone penetration Index (inch/blow)	Unbonded layer zone	Unbonded layer stiffness description	
	<0.7	A	Relatively strong	
	0.7-1.2	B	Marginal strength	
	>1.2	C	Weak, potentially wet	

Locations of Marginal Strength or Weak Unbonded Layer

	Location No.	DCPI	X Coordinate	Y Coordinate	
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
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COMMENTS:

INTELLIGENT COMPACTION COLD-IN-PLACE RECYCLING MAPPING REPORT SUMMARY

CEM-IC20 (03/30/2016)

Mapping Report Review

COMMENTS:		
I have reviewed the intelligent compaction mapping summary report for compliance with the contract specifications requirements.		
Quality Control Manger (print name)	Signature	Date Reviewed

Contractor's Submittal Documentation Mapping Report

Submit Adobe *.pdf file of the mapping report to resident engineer within 1 business day of mapping existing pavement.	Submitted by (print name)	Date
Adobe *.pdf file name for quality control report:	Quality control report file name	
Submit Adobe *.pdf file of this form to resident engineer within 1 business day of mapping existing pavement.	Submitted by (print name)	Date

Resident Engineers Review and Authorization Mapping Report

This Section Is For Engineers Use

Mapping report reviewed by (print name)	Mapping report reviewed by (signature)	Date

Mapping report complies with the specification requirements?

☐ Mapping report is adequate

☐ Mapping report does not comply with the specification requirements and must be resubmitted after addressing the comments shown above.

Contractor notified of accepted or rejected quality control report by (print name)	Date

The intelligent compaction mapping report submitted by the contractor complies with the specification requirements.

Resident Engineer (print name)	Resident Engineer (signature)	Date

Updated 2016-03-30